Author Index of Volume 140

Almeida, R.C. and Silva, R.S. A stable Petrov-Galerkin method for convection-dominated problems	291-304
Arregui, I., Destuynder, P. and Salaün, M. An Eulerian approach for large displacements of	271 001
thin shells including geometrical non-linearities	361-381
Babuška, I., Strouboulis, T., Gangaraj, S.K. and Upadhyay, C.S. Pollution error in the	
h-version of the finite element method and the local quality of the recovered derivatives Babuška, I. and Narasimhan, R. The Babuška-Brezzi condition and the patch test: an	. 1– 37
example	183-199
Benson, D.J. A mixture theory for contact in multi-material Eulerian formulations	59- 86
Bolzon, G. and Corigliano, A. A discrete formulation for elastic solids with damaging	
interfaces	327-359
Carter, K.F. see Ponter, A.R.S.	237-258
Carter, K.F. see Ponter, A.R.S.	259-279
Corigliano, A. see Bolzon, G.	327–359
Destuynder, P. see Arregui, I.	361-381
Dumir, P.C. see Kapuria, S.	139–155
Eriksson, A. Equilibrium subsets for multi-parametric structural analysis	305-327
Gangaraj, S.K. see Babuška, I.	1- 37
Harari, I. Reducing spurious dispersion, anisotropy and reflection in finite element analysis	
of time-harmonic acoustics	39- 58
Hopkins, D.A. see Kaljević, I.	281–289
Kaljević, I., Patnaik, S.N. and Hopkins, D.A. Treatment of initial deformations in the	
Integrated Force Method	281-289
Kapuria, S., Sengupta, S. and Dumir, P.C. Three-dimensional solution for simply-supported piezoelectric cylindrical shell for axisymmetric load	139–155
Kirkup, S.M. Solution of discontinuous interior Helmholtz problems by the boundary and	
shell element method	393-403
Morris, A.J. and Vignjenvic, R. Consistent finite element structural analysis and error	
control	87-108
Muralidhar, R. and Rao, J.R.J. New models for optimal truss topology in limit design	
based on unified elastic/plastic analysis	109-138

Narasimhan, R. see Babuška, I.	183-199
Patnaik, S.N. see Kaljević, I.	281-289
Ponter, A.R.S. and Carter, K.F. Limit state solutions, based upon linear elastic solutions with a spatially varying elastic modulus	237-258
Ponter, A.R.S. and Carter, K.F. Shakedown state simulation techniques based on linear elastic solutions	259-279
Rao, J.R.J. see Muralidhar, R.	109-138
Salaün, M. see Arregui, I.	361-381
Sengupta, S. see Kapuria, S.	139-155
Silva, R.S. see Almeida, R.C.	291-304
Sonar, T. On the construction of essentially non-oscillatory finite volume approximations to hyperbolic conservation laws on general triangulations: polynomial recovery, accuracy	
and stencil selection	157-181
Strouboulis, T. see Babuška, I.	1- 37
Tang, L.Q. and Tsang, T.T.H. Temporal, spatial and thermal features of 3-D Rayleigh-	
Bénard convection by a least-squares finite element method	201-219
Toselli, A. A new family of exponential infinite elements for the analysis of lossless	
electromagnetic waveguides	221-235
Tsang, T.T.H. see Tang, L.Q.	201–219
Upadhyay, C.S. see Babuška, I.	1- 37
Vignjenvic, R. see Morris, A.J.	87-108
Ye, J.Q. A three-dimensional free vibration analysis of cross-ply laminated rectangular plates with clamped edges	383-392



Subject Index of Volume 140

Boundary element methods	
Solution of discontinuous interior Helmholtz problems by the boundary and shell element method, S.M. Kirkup	393-403
Collocation method	
Solution of discontinuous interior Helmholtz problems by the boundary and shell element method, S.M. Kirkup	393-403
Coupled problems	
Three-dimensional solution for simply-supported piezoelectric cylindrical shell for axisymmetric load, S. Kapuria, S. Sengupta and P.C. Dumir	139–155
Dynamics	
Reducing spurious dispersion, anisotropy and reflection in finite element analysis of time- harmonic acoustics, I. Harari	39- 58
On the construction of essentially non-oscillatory finite volume approximations to hyperbolic conservation laws on general triangulations: polynomial recovery, accuracy	
and stencil selection, T. Sonar	157–181
Elasticity	
New models for optimal truss topology in limit design based on unified elastic/plastic analysis, R. Muralidhar and J.R.J. Rao	109-138
Limit state solutions, based upon linear elastic solutions with a spatially varying elastic modulus, A.R.S. Ponter and K.F. Carter	237-258
Shakedown state simulation techniques based on linear elastic solutions, A.R.S. Ponter and K.F. Carter	259-279
Treatment of initial deformations in the Integrated Force Method, I. Kaljević, S.N. Patnaik	
and D.A. Hopkins A three-dimensional free vibration analysis of cross-ply laminated rectangular plates with	281–289
clamped edges, J.Q. Ye	383-392
Electromagnetic fields	
A new family of exponential infinite elements for the analysis of lossless electromagnetic waveguides, A. Toselli	221-235
Finite element and matrix methods	
Pollution error in the h-version of the finite element method and the local quality of the	
recovered derivatives, I. Babuška, T. Strouboulis, S.K. Gangaraj and C.S. Upadhyay Reducing spurious dispersion, anisotropy and reflection in finite element analysis of time-	1- 37
harmonic acoustics, I. Harari	39- 58

Consistent finite element structural analysis and error control, A.J. Morris and R. Vignjevic The Babuška-Brezzi condition and the patch test: an example, I. Babuška and	87–108
R. Narasimhan	183-199
Temporal, spatial and thermal features of 3-D Rayleigh-Bénard convection by a least- squares finite element method, L.Q. Tang and T.T.H. Tsang	201-219
A new family of exponential infinite elements for the analysis of lossless electromagnetic	201-219
waveguides, A. Toselli	221-235
Limit state solutions, based upon linear elastic solutions with a spatially varying elastic	
modulus, A.R.S. Ponter and K.F. Carter	237-258
Treatment of initial deformations in the Integrated Force Method, I. Kaljević, S.N. Patnaik	
and D.A. Hopkins	281–289
A stable Petrov-Galerkin method for convection-domainated problems, R.C. Almeida and	201 204
R.S. Silva	291-304 305-327
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson A discrete formulation for elastic solids with damaging interfaces, G. Bolzon and	303-327
A. Corigliano	329-359
An Eulerian approach for large displacements of thin shells including geometrical non-	327-337
linearities, I. Arregui, P. Destuynder and M. Salaün	361-381
Fluid mechanics	
On the construction of essentially non-oscillatory finite volume approximations to	
hyperbolic conservation laws on general triangulations: polynomial recovery, accuracy and stencil selection, T. Sonar	157–181
Temporal, spatial and thermal features of 3-D Rayleigh-Bénard convection by a least-	
squares finite element method, L.Q. Tang and T.T.H. Tsang	201-219
Fracture mechanics	
A discrete formulation for elastic solids with damaging interfaces, G. Bolzon and	
A. Corigliano	329-359
General Rayleigh-Ritz and Galerkin techniques	
Reducing spurious dispersion, anisotropy and reflection in finite element analysis of time-	39- 58
harmonic acoustics, I. Harari Limit state solutions, based upon linear elastic solutions with a spatially varying elastic	39- 38
modulus, A.R.S. Ponter and K.F. Carter	237-258
modulus, A.R.S. Foliter and R.F. Carter	231-236
Heat and diffusion	
Temporal, spatial and thermal features of 3-D Rayleigh-Bénard convection by a least-	
squares finite element method, L.Q. Tang and T.T.H. Tsang	201-219
Incompressible and near incompressible media	
Limit state solutions, based upon linear elastic solutions with a spatially varying elastic	
modulus, A.R.S. Ponter and K.F. Carter	237-258
Limit solutions	
Limit state solutions, based upon linear elastic solutions with a spatially varying elastic	
modulus, A.R.S. Ponter and K.F. Carter	237-258
Shakedown state simulation techniques based on linear elastic solutions, A.R.S. Ponter and	
K.F. Carter	259–279
Nonlinear mechanics	
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson	305-327

A discrete formulation for elastic solids with damaging interfaces, G. Bolzon and	
A. Corigliano	329-359
An Eulerian approach for large displacements of thin shells including geometrical non-	
linearities, I. Arregui, P. Destuynder and M. Salaün	361–381
Numerical solution procedures	
Reducing spurious dispersion, anisotropy and reflection in finite element analysis of time-	
harmonic acoustics, I. Harari	39- 58
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson	305-327
Optimization and design of structures	
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson	305-327
Plasticity	
New models for optimal truss topology in limit design based on unified elastic/plastic	
analysis, R. Muralidhar and J.R.J. Rao	109-138
Shakedown state simulation techniques based on linear elastic solutions, A.R.S. Ponter and	
K.F. Carter	259–279
Shells and plates	
Three-dimensional solution for simply-supported piezoelectric cylindrical shell for	
axisymmetric load, S. Kapuria, S. Sengupta and P.C. Dumir	139–155
An Eulerian approach for large displacements of thin shells including geometrical non-	261 201
linearities, I. Arregui, P. Destuynder and M. Salaün	361–381
A three-dimensional free vibration analysis of cross-ply laminated rectangular plates with	202 202
clamped edges, J.Q. Ye	383-392
Solution of differential equations	
A three-dimensional free vibration analysis of cross-ply laminated rectangular plates with	
clamped edges, J.Q. Ye	383-392
Solution of integral equations (singularity method)	
Solution of discontinuous interior Helmholtz problems by the boundary and shell element	
method, S.M. Kirkup	393-403
Solutions of ordinary and partial differential equations	
A new family of exponential infinite elements for the analysis of lossless electromagnetic	
waveguides, A. Toselli	221-235
A three-dimensional free vibration analysis of cross-ply laminated rectangular plates with	
clamped edges, J.Q. Ye	383-392
Stability in structural mechanics	
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson	305-327
A discrete formulation for elastic solids with damaging interfaces, G. Bolzon and	
A. Corigliano	329-359
Structural mechanics	
A mixture theory for contact in multi-material Eulerian formulations, D.J. Benson	59- 86
Treatment of initial deformations in the Integrated Force Method, I. Kaljević, S.N. Patnaik	
and D.A. Hopkins	281-289
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson	305-327

A discrete formulation for elastic solids with damaging interfaces, G. Bolzon and	
A. Corigliano	329-359
A three-dimensional free vibration analysis of cross-ply laminated rectangular plates with	
clamped edges, J.Q. Ye	383-392
Supersonic flow	
A stable Petrov-Galerkin method for convection-domainated problems, R.C. Almeida and	
R.S. Silva	291-304
Systems of linear and nonlinear simultaneous equations	
A mixture theory for contact in multi-material Eulerian formulations, D.J. Benson	59- 86
Equilibrium subsets for multi-parametric structural analysis, A. Eriksson	305-327
Transonic flow	
A stable Petrov-Galerkin method for convection-domainated problems, R.C. Almeida and	
R.S. Silva	291-304
Wave motion	
A new family of exponential infinite elements for the analysis of lossless electromagnetic	
waveguides, A. Toselli	221-235
Solution of discontinuous interior Helmholtz problems by the boundary and shell element	-2. 2.0
method, S.M. Kirkup	393-403
memon, with thinky	373 403

